

IN THE CLAIMS

Claims 1-4 cancelled.

5. (New). An electrode for a discharge lamp, said electrode comprising a pin; and
an electrode body partially surrounding the pin;
wherein the electrode body comprises a coil wound around the pin; and
wherein the electrode body is welded to at least one fixing point on the pin by laser beam or electron beam means.

6. (New) An electrode according to claim 5, wherein the pin comprises a first end and a second end; and
wherein the coil comprises first and second layers, the first layer being formed by winding the coil from the first end of the pin to the second end of the pin, and the second layer being formed by winding the coil from the second end of the pin to the first end of the pin on top of the first layer.

7. (New) An electrode according to claim 5, wherein at least one end of the coil is severed by laser beam means.

8. (New) An electrode according to claim 5, wherein at least one end of the coil is melted back to the outer diameter of the coil.

9. (New) An electrode according to claim 5, wherein the electrode body is welded to the pin at one fixing point.

10. (New) An electrode according to claim 5, wherein the coil is in the form of a helix having a uniform cross-sectional dimension along its length.